

Team Member Names:	
School:	
problems caused by the item.	ion A. For each item, name two diseases or health
	ion B (swimming pool). <b>kinds</b> of health problems and dangers that can be entify three different <b>kinds</b> of health risks, and two
Health Risk or Danger	Prevention Methods
	(1)
	(2)
	(1)
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## Problem 3. (5 points)

Health department Disease Detectives helped two high schools – Elm School and Oak School – to do surveys to identify how many students have tried smoking cigarettes. The results of the survey are given in this table:

school	total students	students smoking cigarettes	
Elm Oak	100 400	50 100	
	•	ould chose which school to visit to educate kids about ring, which school would you choose and why?	
(a) school:			
(b) reason for choosi	ng school:		
Problem 4. (6 points total) – Please go to Station C (hamburger meat).  (a) Name something (an agent, organism, or other biologic thing) that can cause sickness or disease in humans if present in this item.			
(b) For this item, list one health problem (a kind of illness, disease or condition) that might result from eating this item.			
(c) Give one way to	prevent health	problems that might result from eating this item.	
	Elm Oak  As the chief health of the health problems:  (a) school:  (b) reason for choosisem 4. (6 points total) —  (a) Name something or disease in humans  (b) For this item, list might result from ear	Elm 100 Oak 400  As the chief health officer, if you conthe health problems related to smok  (a) school:  (b) reason for choosing school:  em 4. (6 points total) – Please go to S  (a) Name something (an agent, organor disease in humans if present in the context of	

<u>Problem 5.</u> (9 points total) Match the following terms. Write the letter for the term in column B in the space for the correct term in column A. Each term in column B is used only once.

A alcohol	B a. obesity, or being seriously overweight		
surgical gloves	b. risk factor for skin cancer		
sunburn	c. only disease ever eradicated		
smoke detector	d. risk factor for liver disease		
cigarette smoking	e. prevent hospital infections		
vaccination	f. prevents injuries in crashes		
poor diet	g. important part of a fire safety plan		
seat belt	h. measles prevention		
smallpox	i. leading cause of preventable deaths in USA		
Problem 6. (8 points total) – Please  (a) List one human health p	e go to Station D (mosquitoes).  problem or disease associated with this insect.		
(b) On the following lines, insect.	briefly explain how people may get sick from contact with this		
· · ·	health problems caused by this insect.		
(2)			

<u>Problem 7.</u> (9 points total) – Please go to Station E (table of data about students who visited the zoo).

A class from a school visited the zoo on a field trip. As part of the trip, the class had a chance to pet a large lizard in the reptile house. After visiting the reptile house, the class

had lunch. Some students bought lunch at the zoo and some brought their lunch from home. After lunch, they returned to school. Later in the day, some of the students go sick. Disease Detectives were called in to investigate the outbreak. They asked each student what they did before they got sick. The students' answers are in the table.  (a) The Disease Detectives decided that it wasn't lunch that made some students sick. How did they use the information about lunches from the data table to make that decision?		
(b) What activity probably made the students sick? Again, using information from the data table, how do you know?		
(c) How could this outbreak have been prevented?		

<u>Problem 8.</u> (10 points total) – Please go to Station F (graphs of TB data).

Tuberculosis or "TB" is an infectious disease. It is caused by a bacterium that usually infects the lungs. TB is spread through the air from person to person. When someone with TB coughs, sneezes, or otherwise sprays TB germs from their lungs, someone else can breathe them in and get infected with TB. Answer the questions below by looking at the two graphs.

Using Figure 1, answer the following questions:

1.	. A case rate is the number of cases of a disease divided by the size of the population being studied. What was the national average TB case rate in 2001?		
	cases per 100,000		
2.	How many states had TB case rates that were greater than the national case rate?		
	states		
3.	Where do TB case rates tend to be higher?  a. In the Northeast part of the country.		

- b. In the Southeast part of the country.
- c. Case rates are basically the same everywhere.

Using Figure 2, answer the following questions:

- 4. Which of the following statements is **false**?
  - a. There were more TB cases in 1993 than in 1984.
  - b. For the years shown in the Figure, the year with the fewest TB cases was 2001.
  - c. For the years shown in the Figure, the only year when there were fewer than 20,000 TB cases was 1999.
- 5. How many TB cases were there in the United States in 2001?
  - a. About 10,000
  - b. About 25,000
  - c. About 16,000
  - d. Cannot tell from the Figure